

# PATENT ABSTRACTS OF JAPAN

(11)Publication number : 63-313717

(43)Date of publication of application : 21.12.1988

(51)Int.Cl.

A61K 7/09

A61K 7/13

A61K 7/135

(21)Application number : 62-150786

(71)Applicant : LION CORP

(22)Date of filing : 17.06.1987

(72)Inventor : TATSUMI KOICHI

## (54) CHEMICALLY TREATING AGENT FOR HAIR

### (57)Abstract:

**PURPOSE:** To obtain the titled treating agent capable of effectively preventing inflammation on scalp, fallen hair and damage of hair and of providing hair with good touch, containing a methylsiloxane polymer having a polymerization degree in a specific range.

**CONSTITUTION:** The titled treating agent containing 0.1W20wt.% preferably 0.3W15wt.% methylsiloxane polymer having  $\geq 1,000$ , preferably 3,000W10,000 polymerization degree. Further addition of a methylsiloxane and/or cyclic methylsiloxane having low polymerization degree shows more secure improved effects and blending of 0.1W20wt.%, especially 0.5W5wt.% cationic cellulose and/or polyvinyl pyrrolidone are further more effective. Addition of odd-numbered carbon chain fatty acid derivative and/or odd-numbered carbon chain alcohol derivative is effective for suppressing inflammation of scalp. The treating agent is prepared as permanent wave agent, hair coloring agent or bleaching agent and used.

## LEGAL STATUS

[Date of request for examination]

[Date of sending the examiner's decision of rejection]

[Kind of final disposal of application other than the examiner's decision of rejection or application converted registration]

[Date of final disposal for application]

[Patent number]

[Date of registration]

[Number of appeal against examiner's decision of rejection]

[Date of requesting appeal against examiner's decision of rejection]

[Date of extinction of right]

Copyright (C); 1998,2003 Japan Patent Office